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**Arizona Climate Change Advisory Group**  
**Completed and Pending Policy Option Descriptions**  
**June 22, 2006 CCAG Meeting**

#	Policy Name	GHG Savings (MMtCO <sub>2</sub> e)	Cost Effectiveness (\$/tCO <sub>2</sub> e)	Status
<b>RESIDENTIAL, COMMERCIAL AND INDUSTRIAL</b>				
RCI-1	Demand-Side Efficiency Goals, Funds, Incentives, and Programs	2010: 3.1 2020: 15.1	- \$36	Completed
RCI-2	State Leadership Programs	2010: 0.04 2020: 0.4	- \$4	Completed
RCI-3	Appliance Standards	2010: 0.2 2020: 1.0	- \$66	Completed
RCI-4	Building Standards/Codes for Smart Growth	2010: 0.3 2020: 2.2	- \$18	Completed
RCI-5	“Beyond Code” Building Design Incentives and Programs for Smart Growth	2010: 0.2 2020: 3.1	- \$17	Completed
RCI-6	Distributed Generation/Combined Heat and Power	2010: 0.4 2020: 2.7	- \$25	Completed
RCI-7	Distributed Generation/Renewable Energy Applications	2010: 0.1 2020: 2.1	\$31	Completed
RCI-8	Electricity Pricing Strategies	2010: 1.1 2020: 1.5	-\$63	Completed
RCI-9	Mitigating High Global Warming Potential (GWP) Gas Emissions (HFC, PFC)	Not Quantified.	Not Quantified.	Completed
RCI-10	Demand-Side Fuel Switching	2010: 0.1 2020: 1.2	Not Quantified.	Completed
RCI-11	Industrial Sector GHG Emissions Trading or Commitments	Not Quantified.	Not Quantified.	Completed

RCI-12	Solid Waste and Wastewater Management	2010: 2.21 2020: 3.69	Not Quantified	Pending
RCI-13	Water Use Management	2010: 0.23 2020: 0.77	Not Quantified	Pending
<b>ENERGY SUPPLY</b>				
ES-1	Environmental Portfolio Standard / Renewable Energy Standard and Tariff	1a(1) 2010: 1.39 2020: 8.0 1c 2010: 4.19 2020: 16.4	\$8 \$6	Pending
ES-2	Public Benefit Charge Funds (1 mill/kWh for Distributed Renewable Gen.)	2010: 1.46 2020: 4.1	\$280	Pending
ES-3	Direct Renewable Energy Support (including Tax Credits and Incentives, R&D, and siting/zoning)	(analyzed as RCI-7) 2010: 0.1 2020: 2.1	(analyzed as RCI-7) \$31	Completed
ES-4	GHG Cap and Trade	(1) 2010: -0.28 2020: 4.4 (2) 2010: 0.17 2020: 2.0 (3) 2010: -0.2 2020: 16.5 (4) 2010: 0.18 2020: 18.5	\$7 \$10 \$17 \$19	Completed
ES-5	Generation Performance Standards	2010: 5.63 2020: 10.2	\$29	Pending
ES-6	Carbon Intensity Targets	2010: 0.0 2020: 14.0	\$44	Pending
ES-8	CO2 Tax (at \$5)  CO2 Tax (at \$15)	2010: 0.53 2020: 2.4 2010: 0.06 2020: 5.4	\$3  -\$2	Pending
ES-9	Reduce Barriers to Renewables and Clean DG	(analyzed as RCI-6) 2010: 0.4 2020: 2.7	(analyzed as RCI-6) -\$25	Completed
ES-10	Metering Strategies	ES-10 is an enabling policy quantified under RCI-6 and RCI-7.		Completed
ES-11	Pricing Strategies	(analyzed as RCI-8)	(analyzed as RCI-8)	Completed

ES-12	Integrated Resource Planning	2010: 0.06 2020: 5.4	-\$2	Completed
<b>TRANSPORTATION AND LAND USE</b>				
TLU-1	California GHG Emission Standards	2010: 0.3 2020: 5.6	- \$94.58	Completed
TLU-2 (and TLU-3)	Smart Growth Bundle of Options (incorporates previous TLU-3 Promoting Multimodal Transit)	2010: 0.6-3.2 2020: 0.7-4.0	Net Savings	Completed TLU-2; TLU-3 Pending
TLU-4	Reduction of Vehicle Idling	<i>Scenario 1</i> 2010: 0.3-0.5 2020: 0.5-0.7 <i>Scenario 2</i> 2010: 0.5-0.7 2020: 0.9-1.3	-\$22 to -\$42	Completed
TLU-5	Standards for Alternative Fuels	Not Quantified.	Not Quantified.	Completed
TLU-6	Fuel Tax	Not quantified	Not quantified	Pending
TLU-7	Hybrid Promotion and Incentives	2010: .003-.004 2020: .033-.048	Not Quantified.	Pending
TLU-8	Feebates	Not quantified	Not quantified	Pending
TLU-9	Pay-As-You-Drive Insurance	2010: ~0 2020: 2.8	Zero net cost	Pending
TLU-10	Low Rolling Resistance Tires	2010: n/a 2020: 0.8	Not Quantified.	Pending
TLU-11	Accelerated Replacement/ Retirement of High-emitting Diesel Fleet	Not Quantified.	Not Quantified.	Pending
TLU-12	Biodiesel Implementation	2010: 0.11 2020: 1.08	Not Quantified.	Pending
TLU-13	State Lead-By-Example (via Procurement and SmartWay)	Not quantified	Not quantified	Pending
TLU-14	60 mph Speed Limit for Commercial Trucks	Not Quantified.	Not Quantified.	Pending
<b>AGRICULTURE AND FORESTRY</b>				
F-1	Forestland Protection from Developed Uses	2010: 0.3 2020: 0.3	\$17	Completed
F-2	Reforestation/Restoration of Forestland	2010: 0.02 2020: 0.2	\$283	Completed

F-3a	Forest Ecosystem Management – Residential Lands	2010: 0.5 2020: 0.5	-\$21	Completed
F-3b	Forest Ecosystem Management – Other Lands	2010: 0.2 2020: 0.2	-\$21	Completed
F-4	Improved Commercialization of Biomass Gasification and Combined Cycle	Not Quantified.	Not Quantified.	Completed
A-1a	Manure Management – Manure Digesters	2010: 0.1 2020: 0.4	\$7 (Dairies only)	Completed
A-1b	Manure Management – Land Application	Not Quantified.	Not Quantified.	Pending
A-2	Biomass Feedstocks for Electricity or Steam/Direct Heat	2010: 0.05 2020: 0.1	-\$8	Completed
A-3	Ethanol Production	2010: 0.5 2020: 0.6	\$150	Completed
A-4	Change Feedstocks (optimize for CH <sub>4</sub> and/or N <sub>2</sub> O reduction)	2010: 0.03 2020: 0.07	\$165	Pending
A-6	Grazing Management	Not Quantified.	Not Quantified.	Pending
A-7	Convert Land to Grassland or Forest	Not Quantified.	Not Quantified.	Completed
A-8	Agricultural Land Protection from Developed Uses	2010: 0.08 2020: 0.2	\$65	Pending
A-9	Programs to Support Local Farming/Buy Local	2010: 0.003 2020: 0.01	Not Quantified.	Completed
<b>CROSS CUTTING ISSUES</b>				
CC-1	State Greenhouse Gas Goals	Not applicable	Not applicable	Completed
CC-2	State Greenhouse Gas Reporting	Not applicable	Not applicable	Completed
CC-3	State Greenhouse Gas Registry	Not applicable	Not applicable	Pending
CC-4	State Climate Action Education and Outreach	Not applicable	Not applicable	Completed
CC-5	State Climate Change Adaptation Strategy	Not applicable	Not applicable	Completed